



**Pt. Ravishankar Shukla University,  
Raipur (C.G.), India 492010**

**CURRICULUM & SYLLABUS FOR  
Ph.D. COURSE WORK EXAM  
FACULTY OF HOME SCIENC**

**SESSION 2025-27**

**टीप- सत्र 2024-25 के पाठ्यक्रम को सत्र 2025-27 के लिए यथावत प्रभावशील किया जाता है।**

Approved by :  
Board of Studies : Faculty of Home Science  
Dates : 20<sup>th</sup> May 2025  
Name of Chairman : Dr. Shipra Banerjee  
Name of Member's : Dr. Saroj Prasad  
Dr. Rekha Diwan  
Dr. Kalpana Jadav  
Dr. Arti Diwan

*Shipra Banerjee*  
20.05.2025

*P. Rekha*  
20.5.20

*Arti Diwan*

## SYLLABUS FOR Ph.D. COURSEWORK IN HOME SCIENCE

All the scholars of Ph.D. program of this Department have to undergo a course work of one semester duration. On successful completion of the course work, the scholars may be eligible for registration for Ph.D. subject to final recommendation of Department Research Committee (DRC). The syllabus structures for coursework is given below.

Papers	Course Title	Credits	Marks	Pass
Paper-I	Research Methodology and Computer Application	4	100	50%
Paper-II	Review of Related Literature (Practical)	4	100	50%
	Total	8	200	50%

Effective from 2025 Academic Session

Duration: 1 semester (6 months), Total 200 Marks

Objectives: The syllabus aims at providing practical knowledge on advance areas of research in Home Science through the practical understanding of research process and ethics.

- Methodological study of research.
- Use of statistics and computer application in the process of research.
- Reviewing literature of the proposed study.
- Seminar presentations on the thrust areas of research in Home Science.

### PROGRAM OUTCOME

1. The scholars will be enabled to develop research aptitude in the field of Home Science
2. The scholars will be skilled in identifying research gaps and develop research plans by reviewing literatures related to their interest area.
3. The ethical conduct of research and development activities will be inculcated among the students.
4. To obtain a critical understanding and the ability to apply theoretical, practical and scientific knowledge in the field of Home Science.
5. To identify individual, national and global and environmental issues related to Home Science for diverse population.
6. Tap self-potentials through knowledge and research to enhance skills for self-employment and entrepreneurship.
7. Analyze the prospects for interdisciplinary research processes.
8. Appraise and promote quality of life, happiness and wellbeing of community in the context of Human Development Index and embark on action and applied research and review policy in context with the current scenario of the nation.
9. Ability to apply knowledge of human development and behavior in research across life span.
10. To get insight into the origin and traditional textile patterns from different corners of India.

*Signature*

*P. Man*

*CBCE*  
*12/05/2025*

## PAPER-I

### RESEARCH METHODOLOGY AND COMPUTER APPLICATION

#### Unit-I Research Methodology

1. Research Proposal - Meaning, purpose, steps in designing research proposal.
2. Defining Research Problem - Meaning, selecting the problem, necessity of defining the problem, technique involved in defining a problem.
3. Research Types- Historical, Descriptive, Experimental, Case study, Social research
4. Research Design

#### Unit- 2 Tools and Techniques of Data Collection

1. Data collection - Meaning and types of data collection.
2. Collection of Primary data - Observation method, interview method, questionnaires, schedule, difference between questionnaires and schedules.
3. Collection of Secondary data - Caution using secondary data. Selection of appropriate method for data collection.
4. Sampling methods - meaning, steps, types and characteristics of a good sampling design.

#### Unit-3 Analysis of Data

1. Processing of Data - Processing operations (Classification, Tabulation), Problems in processing.
2. Analysis of Data – Meaning, Measures of Central tendency (Mean, Median, Mode)
3. Measures of Dispersion - Meaning, Types of dispersions (Range, mean deviation, standard deviation)
4. Measures of Relationship (Correlation) - meaning, significance, types, Calculation of Coefficient of Correlation, Product Moment Correlation, Correlation from Rank.
5. Chi-Square Test – Chi-Square as a Test for comparing variance; Chi-Square as a Non-parametric Test; Conditions for the application of Chi-Square Test.

#### Unit- 4 Computer Fundamentals

1. Interpretation and Report Writing - Meaning, techniques, precaution on interpretation. Significance of report writing, step, layout of the research report, Types, Precautions for writing research reports.
2. Data Analysis through computer applications using SPSS and EXCEL Packages. Presentation structure - introduction to slidesshows, Graphs/ Diagrams, creating presentations and adding effects.
3. Preparation of Power Point presentation of synopsis/seminar paper/ review of literature.

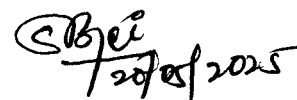
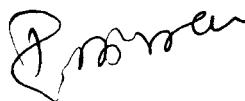
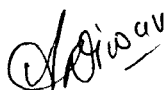
## PAPER II

### REVIEW OF RELATED LITERATURE & SEMINAR PRESENTATION

Credits: 04, Full marks: 100 (practical)

Each student is required to select a problem on which she has to do intensive review of related studies under the supervision of a faculty member of the department. Student has to review adequate research studies related to the problem and prepare a report. The student is required to submit a report on the review carried out by him and needs to give a power point presentation before the DRC for final exam. Assessment shall be made on the basis of the following criteria.

- Relevance of the reviews.
- Finding the research gap
- Standard and quality of writing the review.



- Style of presentation
- Answering the question.

If the presentation is unsatisfactory, the DRC may direct the student to amend the review of literature and ask for a 2nd or 3rd presentation. The candidate would present two seminars before the DRC on the specific areas of research, which she will carry on for conducting her research.

1. Review of literature and presentation (50 marks)

Writing review of literature (minimum 20 latest research articles) of broad area of proposed PhD Course work from reputed journals under the supervision of supervisor (Standard reference pattern should be followed)

2. Project work (50 marks)

On the basis of pilot study candidate will prepare synopsis (Refer Appendix 1- Performa for Synopsis of Ordinance No.45 of Pt. RSU, Raipur) under the supervision of supervisor and will submit as project work.

**Distribution of marks for evaluation**

- |   |                  |
|---|------------------|
| 1. Review of literature and presentation: | 50 marks (20+30) |
| 2. Project Work (Seminar presentation):   | 50 marks (20+30) |

Total marks: 100 marks

*SB*  
20/05/2025

*P. D. Chauhan*

*Adarsh*